IN THE CLAIMS:

What is claimed is:

1. (Currently amended) An injection molding apparatus for molding products

comprising:

a first cavity chamber for forming a seal liner, the first cavity chamber having an

outer edge;

a second cavity chamber for forming a shell, the second cavity chamber being

positioned adjacent to the first cavity chamber, the second cavity chamber having a center;

a first nozzle for a seal liner material positioned near the outer edge of the first

cavity chamber, the first nozzle being in direct communication with the first cavity chamber;

a second nozzle for a shell material positioned near the center of the second cavity

chamber, the second nozzle being in direct communication with the second cavity chamber; and

a mold core positioned in and moved between the first and second cavity

chambers.

2. (Original) The injection molding apparatus of claim 1 wherein the mold core is

rotationally moved between the first and second cavity chambers.

3. (Original) The injection molding apparatus of claim 1 further comprising a

stripper plate positioned around the mold core for removing shells from the mold core.

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4. (Original) The injection molding apparatus of claim 1 wherein the mold core has

an end opposite a base, the end having a seal liner portion for forming a seal liner cavity opening

with the first cavity chamber, and a shell portion for forming a shell cavity opening with the

second cavity chamber.

5. (Original) The injection molding apparatus of claim 1 wherein the first nozzle is

connected to and in communication with a first melt distribution manifold, and the second nozzle

is connected to and in communication with a second melt distribution manifold.

6. (Currently amended) The injection molding apparatus of claim 1 wherein the seal

liner material and the shell material comprises two different materials.

7. (Currently amended) The injection molding apparatus of claim 4 6 wherein the

seal liner material comprises santoprene, and the shell material comprises polypropylene.

8. (Currently amended) The injection molding apparatus of claim 1 wherein the first

nozzle has a body and a an angled tip, the tip being angled relative to the body of the nozzle.

9. (Currently amended) The injection molding apparatus of claim 1 wherein the first

nozzle is thermal-gated at the first cavity and the second nozzle is valve-gated at the second

cavity.

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10. (Original) An injection molding apparatus for molding products comprising:

a first and a second seal liner cavity chamber for forming a seal liner, the first and

second seal liner cavity chambers each having an outer edge;

a first and a second shell cavity chamber for forming a shell over the seal liner,

the first shell cavity chamber being adjacent to the first seal liner cavity chamber, the second

shell cavity chamber being adjacent to the second seal liner cavity chamber, the first and second

shell cavity chambers each having a center;

a first and a second offset nozzle for a seal liner material, the first offset nozzle

being positioned near the outer edge of the first seal liner cavity chamber, the first offset nozzle

also being in communication with the first seal liner cavity chamber, the second offset nozzle

positioned near the outer edge of the second seal liner cavity chamber, the second offset nozzle

also being in communication with the second seal liner cavity chamber;

a first and a second center nozzle for a shell material, the first center nozzle being

positioned near the center of the first shell cavity chamber, the first center nozzle also being in

communication with the first shell cavity chamber, the second center nozzle positioned near the

center of the second shell cavity chamber, the second center nozzle also being in communication

with the second shell cavity chamber; and

a first, a second, a third, and a fourth mold core, the first mold core capable of

being positioned in and moved between the first seal liner cavity chamber and the second shell

cavity chamber, the second mold core capable of being positioned in and moved between the

first shell cavity chamber and the first seal liner cavity chamber, the third mold core capable of

being positioned in and moved between the second seal liner cavity chamber and the first shell

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cavity chamber, and the fourth mold core capable of being positioned in and moved between the

second shell cavity chamber and the second seal liner cavity chamber.

(Original) The injection molding apparatus of claim 10 wherein each mold core is 11.

rotationally moved between the cavity chambers.

(Original) The injection molding apparatus of claim 10 further comprising a 12.

stripper plate positioned around the mold core for removing shells from the mold core.

(Original) The injection molding apparatus of claim 10 wherein each mold core 13.

has an end opposite a base, the end having a seal liner portion for forming a seal liner cavity

opening with the first cavity chamber, and a shell portion for forming a shell cavity opening with

the second cavity chamber.

(Original) The injection molding apparatus of claim 10 wherein the first and 14.

second offset nozzles are connected to and in communication with a first melt distribution

manifold, and the first and second center nozzles are connected to and in communication with a

second melt distribution manifold.

(Currently amended) The injection molding apparatus of claim 10 wherein the 15.

seal liner material and the shell material comprises two different materials.

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(Currently amended) The injection molding apparatus of claim 10 15 wherein the 16.

seal liner material comprises santoprene, and the shell material comprises polypropylene.

(Currently amended) The injection molding apparatus of claim 10 wherein the 17.

first and second offset nozzles each have a body and a an angled tip, the tip being angled relative

to the body of the nozzle.

18. (Currently amended) The injection molding apparatus of claim 10 wherein the

first and second offset nozzles are thermal-gated at the first cavity, and the first and second

center nozzles are valve-gated at the second cavity.

19. (Original) The injection molding apparatus of claim 10 wherein seal liners are

formed on the first and third mold cores at about the same time as shells are formed on the

second and fourth mold cores, and seal liners are formed on the second and fourth mold cores at

about the same time as shells are formed on the first and third mold cores.

20. (Currently amended) In combination with an injection molding machine having at

least a first material and a second material, an injection molding apparatus comprising:

a first cavity chamber for forming a seal liner, the first cavity chamber having an

outer edge and a center;

a second cavity chamber for forming a shell, the second cavity chamber being

adjacent to the first cavity chamber, the second cavity chamber having a center;

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a first melt distribution manifold having a first material melt passage connected to

and in communication with a first material injection entry, the first material injection entry being

connected to and in communication with the first material of the injection molding machine;

a second melt distribution manifold having a second material melt passage

connected to and in communication with a second material injection entry, the second material

injection entry being connected to and in communication with the second material of the

injection molding machine;

a first nozzle positioned near the outer edge of the first cavity chamber and offset

from the center of the first cavity chamber, the first nozzle being in direct communication with

the first cavity chamber and the first material melt passage;

a second nozzle positioned near the center of the second cavity chamber, the

second nozzle being in direct communication with the second cavity chamber and the second

material melt passage; and

a mold core positioned in and moved rotationally between the first and second

cavity chambers.

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